

Scientists Fear Cultural Sovereignty Endangered

The future of research into the study of humankind may be in jeopardy if funding for the humanities and social sciences is not increased. This was the consensus of some 200 delegates to the National Conference and Workshop on Research Funding for the Humanities and Social Sciences held recently in Edmonton.

Conference delegates agreed that the federal government will soon be making major decisions, and these will either enhance research

and development in the humanities and social sciences—or compromise the future of work in the area.

Canada faces national problems in areas such as population aging, the family and socialization of children, the human context of science, medicine and technology. A dramatic increase in funding is, therefore, needed in order for the Social Sciences and Humanities Research Council (SSHRC) to provide strategic grants for research in these areas, as well as to continue its

traditional support of excellence.

It was also deemed imperative to expand—not curtail—support for existing and emerging communication networks, such as scholarly periodicals, books, libraries, electronic communication systems and data bases. In addition, new programs would have to be introduced which would retain young, qualified researchers—or there would not be enough of them in ten years' time to meet society's needs.

Natural and medical scientists and social and humanities scientists were urged to continue to increase their cooperative efforts in support of their respective research councils.

Associations affiliated with the humanities and social sciences were encouraged to increase members' dues in order that a stronger infrastructure could be created and a higher percentage of the cost of liaison with governments be borne by the researchers themselves. The Social Sciences and Humanities Federations were also urged to continue to increase collaboration among themselves and with the Canadian Association of University Teachers (CAUT) and the Association of Universities and Colleges of Canada (AUCC), to prepare strategic plans on research and development.

The conference endorsed unanimously the new five-year plan of SSHRC, as well as the plans of the Councils in Natural Sciences and Engineering (NSERC) and Medical Research Council (MRC). It was also unanimously agreed that everyone concerned about the nation's future should emphasize to government, the media and the public at large the *critical importance* to Canada's future of excellence in the humanities and social sciences. This excellence can only be attained through first-class education and research—which require funding.

The conference, sponsored by the University and SSHRC, attracted scholars from 37 universities and representatives from the federal and provincial governments, business and federations associated with the humanities and social sciences. □

FOLIO

University of Alberta

31 October 1985

United Way Needs More Help

That the 1985 United Way campaign may not reach its overall goal has been well publicized in the local newspapers. This would certainly be a source of grave hardship for the many people in metropolitan Edmonton who depend on the United Way member agencies for a host of social services and assistance. As ever, the University community has been extremely generous. As of 24 October, 641 staff members had made pledges by payroll deduction and their gifts, as in past years, have been larger than those made by the average donor. Also this year, gifts started coming into the Comptroller's Office much more rapidly than in the past.

Unfortunately, the early surge of pledges has now been replaced by a slow and ever diminishing return, and "leadership" donors, i.e., those who give \$500 or more annually, have fallen short of last year's number by over twenty. Thus, not only is the overall campaign suffering but also the University's contributions are in danger of not even meeting last year's goal of \$120,000 (\$114,000 had been contributed by 24 October).

Translate the lack of funds into concrete realities and you can see how desperately some agencies



United Way
of Edmonton and Area

might suffer. The CNIB supports many services for the blind—there are staff and students at this University who rely very heavily on such services. The Family Service Association, the Sexual Assault Centre, Goodwill Rehabilitation Services, and the Bissell Centre are just a few other examples of United Way agencies in our community. Without their support of people less privileged than ourselves, or not so lucky, what sort of place would Edmonton be? Think about it and remember the help your relative or friend received from the Arthritis Society or the Association for the Hearing Impaired, the John Howard Society or the Victorian Order of Nurses. Do you have chil-

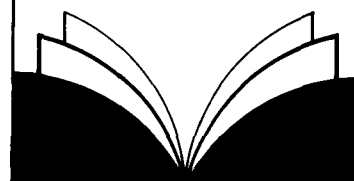
dren in Cubs, Scouts, Guides or Brownies? Their organizations too receive much needed support from the annual United Way campaign.

It is important to help, especially now that the campaign is drawing to a close and a cold Edmonton winter about to begin. The campaign organizers on campus are not looking for "megabuck" gifts; incidentally, even the smallest donation is now tax deductible. All gifts, all pledges are welcome and needed.

Please take time now to write a cheque or fill in the printed pledge form in this issue of *Folio* and return it to the Comptroller's Office. Even \$2 a month adds up if 3,000 people give. □

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Deans Call for More Formal Training of Farmers

Only one in ten new farmers has any formal training in the field of agriculture and this must change rapidly if Canada's farmers are going to compete successfully in world markets. So felt participants at the annual meeting of the Deans of Agriculture and Veterinary Medicine, held 22 and 23 October at our University.

The Deans agreed that the agriculture industry is changing

quickly and that farms of the future will be larger, more specialized and highly capital intensive. The management of these farms will require a much higher level of education and this need, plus the growing needs of agribusiness, means a bright job future for graduates in agriculture and veterinary medicine.

During the meeting, the Deans addressed a number of issues. The

following is a statement read by Dean Roy Berg to reporters following the close of their session:

"The Deans of Agriculture and Veterinary Medicine at their annual meeting endorse the request of the Natural Sciences and Engineering Research Council for substantially increased funding for university research and manpower training contained in their second five-year plan 'Completing the Bridge to the 90's.' In endorsing this proposal, the Deans underscore the problems in agriculture and veterinary medicine which these new funds will address. This includes substantial improvement in the trained manpower available to these fields, replacement for grossly outdated equipment, and the opportunity to develop new research thrusts so essential to maintaining Canadian agriculture in a competitive position.

"Scientific manpower training has been a continuing concern of the Deans and the need for this will increase as Canada moves toward the R&D investment outlined in government policy. Although scientific manpower for some disciplines in agriculture has become

more available, severe shortages exist in such areas as biotechnology, toxicology, economics and business, soil science, agricultural engineering and many areas in veterinary medicine.

"Recent developments, such as the expansion of the Nova Scotia Agricultural College with a degree granting program (\$25 million investment), and the development of the Atlantic Faculty of Veterinary Medicine (\$40 million) will, in the short term, increase the need for additional faculty. In the long run, however, these will play a substantial role in improving our ability to educate the people needed to serve the industry. Other substantial improvements are noted also. The Province of Quebec has established a five-year program (\$40 million) to increase research and training and improve equipment; and both Alberta and Saskatchewan are advancing proposals for significant new funding for research. In addition, many colleges are establishing computer laboratories to make use of the latest technology in communications and data handling." □

Library Engaged in Pilot Project With National Library

The Library is currently assisting the National Library of Canada in the latter's testing of telefacsimile transmission of information.

The pilot project, which began recently and ends on 31 December, also involves the Nova Scotia Provincial Library.

Participants are using telefacsimile transmission for interlibrary loan messaging as well as document delivery. The trial period will allow the National Library to assess quality of service with and without the telefacsimile equipment, to gather comparative turnaround time figures for various types of document delivery services and to size up the use of telefacsimile transmission for interlibrary loan (ILL) activities.

"It's a case of so far, so good," says ILL Head Tina James. One limitation of the telefacsimile machine provided by the National Library is that staff can't store information for distribution after hours to take advantage of the lower (telephone) rates. On the other hand, things are going well enough that the Library is checking in with other users of

telefacsimile equipment, for example, Syncrude Canada in Fort McMurray.

The Library was invited by the National Library to participate in the project about a year ago, mainly because Mrs. James and her colleagues have, for some time, been interested in telefacsimile transmission as an alternative method of document delivery and because the Library has enough volume to warrant its participation.

When the project is completed, the Library will consider becoming a card-carrying member of the telefacsimile transmission set.

Elsewhere, the Health Sciences Library has just completed its "pre-viewing" of a telefac. Having the use of the machine for one week, the Library used it primarily to conduct interlibrary loans with the University of Calgary's Medical Library. Materials transmitted, including radiology plates and electron microscopy work, are being exchanged for the benefit of Heritage Scholars.

The Library plans to look at the possibility of renting a telefac. □

Musicologist Philip Brett to Visit

English musicologist Philip Brett will be a Distinguished Visitor in the Department of Music from 18 to 29 November. Professor Brett took his PhD (Cambridge, 1965) with a dissertation on the songs of William Byrd. He has also specialized in the performance of Handel's music as a conductor and as a harpsichordist.

Professor Brett's work with the Madrigal Singers, the Concert Choir, and the Edmonton Youth Orchestra during his stay will cul-

minate in a concert of works by Handel, Britten and Monteverdi on Friday, 29 November, at All Saints' Anglican Cathedral. Professor Brett will present a lecture/concert titled "Music and Poetry in England from Byrd to Purcell" at 8 p.m. on Sunday, 24 November, in Convocation Hall as well as a series of special lectures on the music of Byrd, editing of early music, and the music of Benjamin Britten.

Further details are available from the Department of Music. □

FOLIO

Volume Twenty-two Number Thirteen

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Public Affairs produces *Folio* on a regular basis for the staff and other interested persons.



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ISSN 0015-5764
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Is This a Cure for Psoriasis?

Psoriasis is an itching, irritating, skin disease. The symptoms vary from mild (an isolated, inflamed patch of skin, covered with thick, silvery scales) to extreme, where there seems hardly an area of the body free of crusts. The symptoms typically come and go and western doctors control, rather than cure, the disease.

But a Cree shaman, whose work is being documented by University of Alberta researchers, has been using traditional Cree methods to treat a group of Caucasian psoriasis sufferers in Edmonton, with promising—and recorded—results.

Russell, a shaman on an Alberta reserve, believes psoriasis has a definite cause which he describes as something like a "virus" that poisons the system and interferes with the body's natural defences. His treatments will, he says, bring this "virus" to the surface, kill it there, and then allow the body to take over the work of healing itself. Videotapes and slides of his patients' progress show the promising results of his methods.

David Young, cognitive anthropologist at the University and director of the research project, met Russell while studying native skin healing techniques. (Russell makes his living from tanning skins, treating patients, and as a game guide and trapper. His wife is an instructor in native crafts and operates a cottage craft industry.) While observing Russell's tanning operation on the reserve, Dr. Young learned from him that he is a healer, a shaman, and is visited by many people seeking cures. Initially, Russell discussed only the physical aspect of his treatments; later, as he got to know Young, he talked about the importance of ritual ceremonies and the role of the spirits in healing.

Much of Russell's knowledge of herbs and treatments comes down to him from his forefathers. His great-grandfather, Moostoos—the chief who signed Treaty 8 in 1899—was a shaman, and Russell inherited some of his medicines. It was only a few years ago that Russell, now 35, became interested in developing his own powers. Since then it has been his objective to talk with old people of the Northern Cree who have particular knowledge of healing, many of whom have specific knowledge of cures, and to gather the information they have to pass on. Russell says he has himself treated and cured psoriasis in native people who have gone to doctors and not been helped; and after his treat-

ment, he says, the disease does not return.

Learning that Russell's eventual goal was to establish a healing centre where he could treat those seeking cures, Young wondered if he would be interested in working with a test group of Caucasian patients. Russell discussed this with other medicine men, then suggested that the treatment and cures be documented, to satisfy western doctors. Following his usual custom, he would not set a fee, and patients would acknowledge his services according to their perception of the value of the treatment.

At this point a research project began to take shape. Funds were

provided by the Boreal Institute for Northern Studies and by the University of Alberta's Central Research Fund. Dr. Young was project director; Jan Morse, Medical Anthropologist and Associate Professor of Nursing, was co-investigator; Lisa Swartz, an anthropology student, served as research assistant; and the archivist at the Provincial Museum of Alberta, Ruth McConnell, acted as recording photographer.

Doctors offer little hope to those who suffer from this peculiarly unpleasant form of dermatitis. Native medicine seems to offer a lot more.

Treatment sessions were held at a health centre in Edmonton. Doctors at the centre helped with initial diagnoses, monitored the psoriasis throughout the course of the study, and acted as observers and medical back-up for the project.

Treatment sessions were held at a health centre in Edmonton. Doctors at the centre helped with initial diagnoses, monitored the psoriasis throughout the course of the study, and acted as observers and medical back-up for the project.

Second Healing

A pilot project was initiated from November 1984 to January 1985, with two patients participating. Results were sufficiently impressive that a second healing, with 10 patients finishing the course, was conducted from March to May this year.

The patients were male and female, aged from 15 to 65. Their occupations ranged from architect, to warehouseman, to housewife to schoolboy. None had had the disease for less than three years; some had had it for 15 years. Some had a few lesions on the head or leg. Some had lesions over much of the body. All had been to doctors and all had been told the condition was incurable. The virtually unanimous

feeling was that they had nothing to lose. On each patient, selected lesions were identified and photographed so that improvement could be tracked. This process continued each week up to the final treatment and ceremony, and photographs will continue to be taken at regular intervals for the next two years. Treatments and ceremonies at each session were also photographed and videotaped by a professional crew—the first time such proceedings have been documented.

There are three parts to Russell's treatment: internal, external and spiritual.

For the internal treatment, Rus-

sell gathers one specific herb, from which he concocts a tea.

Externally, a herbal lotion made from a number of ingredients is applied to the skin. Russell believes it is important for the patient to develop a personal relationship with the healer, so he applies the lotion to the patient's lesions himself, talking about what he is doing, what the patient is feeling and how successful the outcome is going to be.

Ritual and ceremony, invoking the aid of the spirits, are as important as the physical treatment, Russell says. They form a major part of the first treatment session and are part of all other sessions as well. Russell stresses continually that it is not he who cures. It is the Great Spirit working through him and through the herbs who effects the cure. Sweat lodge ceremonies are part of the treatment, and the spirits are of particular importance at these, he says.

There is a physical importance to the sweat lodge ceremonies, too. A herbal brew, splashed over the heated rocks during the ceremony, creates a medicated steam which, entering the body through the pores, is another means of fighting the disease.

Russell built a sweat lodge for the project on Dr. Young's acreage west of Edmonton, and several ceremonies were held there, most of them with a medical doctor present.

By the end of May, the improvement in most patients' conditions ranged from noticeable, through considerable, to substan-

tial. As Russell explained it, during the weeks of treatment, the herbal tea had forced most traces of the "virus" out of the blood to the surface of the skin, where applications of the lotion had killed it. Now the body would be able to get on with the work of healing itself, he said. He pointed out, however, that healing is not instantaneous. There will be "ups and downs", he said, and flare-ups may occur until the healing process is complete.

Russell's goal is to make his healing abilities available to all people, by establishing a healing centre with accommodation for patients near his home on the reserve. In treating this group of patients, and permitting the treatment and ceremonies to be photographed, he has made a break with tradition, hoping that arousing interest in his treatments and cures will lead to establishment of the centre he would like to build.

Researchers Young, Morse, Swartz and McConnell find Russell's treatments of particular interest: this is the first time, to their knowledge, that a native treatment for a specific disease has been documented over time. Preliminary analysis at the University indicates that the herbs Russell uses may well be efficacious in their own right. But it also appears that factors such as the attitude of patients—and this includes their openness to the rituals which are an integral part of the treatment; life crises; and other external pressures, may have an important bearing on the outcome.

For doctors the focus is on the treatment: is there control, or cure, or placebo effect—and is there a difference between the last two?

Psoriasis sufferers are interested in one point only: for the first time in all their years of itching and scratching, is there at last hope of a cure? □

**Reprinted from the Fall 1985 edition of Research Report.*

From the Figure Filbert File

Folio's coverage of the October meeting of the Board of Governors pegged the 1984-85 operating fund balance at \$1.2 million. This amount constituted the increase in fund balance for the year; the fund balance at year's end was \$965,000. □

Close Encounters of the Musical Kind

The "Encounters" Concert Series, described by one critic as what may prove to be "the best classical series anywhere in town this season" (John Charles, *The Gateway*), opened 5 October in Convocation Hall. An excellent program combined with fine performances and a large, appreciative audience to make the concert an unqualified success.

"Encounters" is a series of four concerts, assembled by the Department of Music under the direction of Malcolm Forsyth, which feature a variety of performance media in an equally various selection of chamber and solo works.

The performers are mostly faculty members and sessional instructors in the various orchestral instruments, and also include students and friends of the Department.

"A primary aim of 'Encounters'", says Dr. Forsyth, "is to cut across audience segmentation, where choral people attend choral concerts, string people attend string concerts, and so on." The "Encounters" format provides these fine performers with the opportunity to "display their wares" before this kind of unsegmented audience. The result is an enriching experience in concert offerings for students and public alike.

Highlights of the first concert were Alfred Fisher's new composition for string trio, "Small Worlds," masterfully played by Norman Nelson, Michael Bowie and Colin Ryan, as well as performances celebrating the 300th anniversary of Scarlatti's birth and the 400th anniversary of the birth of Heinrich Schütz. Robert Stangeland, Chairman of the Department of Music, offered a selection of Scarlatti sonatas, and the University of Alberta Madrigal Singers, conducted by Leonard Ratzlaff, presented three Schütz motets. Nora Bumanis, the newly-appointed harp instructor in the Department of Music, was

also featured.

The second segment of the "Encounters" series will take place 3 November at Convocation Hall. Harold Wiens will perform a section from Wolf's *Mörike Lieder*, theatrical and mystic "Vox Bal- aenae" (Voice of the Whale) of George Crumb will receive its first Western Canadian performance, and Norman Nelson will lead a group of performers in Schubert's chamber work, the "Octet."

Admission is free. □

William Golding to Read From Recent Work

People should be cheek by jowl at William Golding's reading on 7 November (4 p.m., L-1 Humanities Centre) so put on a happy face if you're planning to attend.

The Nobel laureate (1983) will read from his recent work.

Golding was born in Cornwall in 1911 and educated at Marlborough School and Brasenose College, Oxford. He worked as a writer, actor and producer with small theatre companies and then taught for a time.

He served in the Royal Navy during World War II and was a lieutenant in command of a rocket ship.

Golding's first novel, *Lord of the Flies*, was published in 1954 and was an immediate success. His other books include *The Inheritors* (1955), *Free Fall* (1959), *The Scorpion God* (1971), *Darkness Visible* (1979), *Rites of Passage* (1980) and *The Paper Men* (1984).

The Oxford Companion to English Literature, edited by Margaret Drab-

ble, states: "Golding often presents isolated individuals or small groups in extreme situations dealing with man in his basic condition stripped of trappings, creating a quality of a fable. His novels are remarkable for their strikingly varied settings, several of them historical."

Golding is travelling with Charles Montieth, Past-Chairman of Faber and Faber. Among the authors whom he (Montieth) introduced to Faber and Faber's list are: Seamus Heaney, Samuel Beckett, John Osborne, Tom Stoppard and William Golding.

Montieth will speak on "Modern British Publishing History" (8 November, 2 p.m., 6-40 Humanities Centre). □

Students' Research Day Winners

Three University of Alberta students earned top honors in the Eighteenth Annual Students' Research Day held 16 October. The Day is designed to give summer research students in the Faculty of Medicine an opportunity to present their work publicly. This year, 24 students were chosen to give presentations on studies ranging from antibiotic resistance to a survey of factors that might precipitate exacerbations of multiple sclerosis.

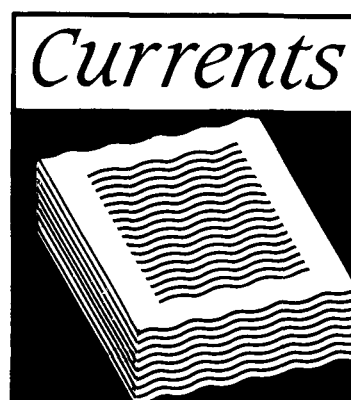
The 1985 winners are: Patrick Kilgannon for "Association Between Class II-MHC Genes and Diabetes in the db/db Mouse" (under the supervision of B. Singh in the Department of Immunology); Stacy Dowhaniuk for "Characterization of an Amino Acid Carrier in the Basolateral Membrane of the Intestinal Epithelium" (under the supervision of C. Cheeseman in the Department of Physiology); and James Guest for "Monoclonal Antibodies to the Surface Antigens of *Chlamydia Trachomatis*" (under the

supervision of W. Wenman in the Department of Pediatrics). All three summer students were supported by the Alberta Heritage Foundation for Medical Research.

Coordinator of Students' Research Day, Henry Pabst, says all three judges commented on the high quality of the presentations. The judges were Robert Lee, Professor and Chief of Neurology, University of Calgary; E.E. McCoy, Professor of Pediatrics, University of Alberta; and A. Shaw, Associate Professor of Medicine, Cross Cancer Institute.

"The abstracts were of high quality and the diversity of subjects was indicative of the breadth of research activity on campus," says Dr. Shaw. "We had difficulty singling out runners-up for commendation."

This year, Dr. Pabst was particularly pleased by high attendance at the sessions. "The idea of a student research day is gradually seeping through the cracks in the medical hierarchy," he says. □



Sport Administration Clinic for Arab Administrators

Twenty high ranking officials from Bahrain, Qatar, Egypt, United Arab Emirates, Saudi Arabia and Kuwait will be on campus 2 to 9 November for the First International Sport Administration Clinic for Arab Administrators.

The Clinic, co-sponsored by the Faculty of Physical Education and Recreation and S & F International, includes lectures by Bob Steadward, Ted Wall, Ed Zemrau and others.

Biochemistry

1 November, 11 a.m. M.P. Weir, Glaxo Group Research, Greenford, U.K., "Cloning and Purification of Human Interleukin 2." 4-70 Medical Sciences Building.

Boreal Institute

1 November, noon. An audio-visual presentation, "Looking North: Biological Research at the University of Alberta." M-137 Biological Sciences Building.
6 November, noon. Peter Usher, Consultant, Ottawa, "Aboriginal Rights and Wildlife Management Systems." 14-6 Tory Building.
13 November, noon. Robert Paine, Memorial University, "Fourth World Politics: The Case of the Sami (Lap)." 14-6 Tory Building.

Comparative Literature

1 November, 3 p.m. Uri Margolin, "Hebrew/Israeli Literature." Senate Chamber, Arts Building.
15 November, 3 p.m. Mila Bongco, "Literature of the Philippines." Senate Chamber, Arts Building.

Zoology

1 November, 3:30 p.m. Sarah Lenington, Rutgers University, "Factors Controlling the Frequency of a Selfish Gene in Wild Mice." M-145 Biological Sciences Building.
8 November, 3:30 p.m. Gerald R. Smith, Museum of Zoology, University of Michigan, "Species Flocks of Sculpins in Lake Baikal and Pliocene Lake Idaho." M-145 Biological Sciences Building.
15 November, 3:30 p.m. John A. Byers, Department of Biological Sciences, University of Idaho, "Variation in the Mating System of Pronghorn." M-145 Biological Sciences Building.

United Church Chaplaincy

3 November, 7:30 p.m. Emma Laroque, "Encounters with Missionaries: A Native Perspective." Garneau United Church.
17 November, 7:30 p.m. Richard Price, "Native Self-Determination and Native Rights." Garneau United Church.

Plant Science

4 November, 1 p.m. Russ Horton, "Management of Rangeland Grasses Under Drought Stress." 1-06 Agriculture-Forestry Centre.
6 November, 1 p.m. Gerald Ivanochko, "Fall Seeding of Vegetables." 1-06 Agriculture-Forestry Centre.

THANK YOU!

Hurtig Publishers wishes to thank the administration, faculty and staff of the University of Alberta for the enthusiastic assistance, encouragement and support which made the publication of THE CANADIAN ENCYCLOPEDIA possible.

The co-operation provided by the University was superb.
We are very grateful.

Mel Hurtig
Publisher

James Marsh
Editor-in-Chief

Frank McGuire
Managing Director

Slavic and East European Studies

4 November, 3 p.m. Boris Briker, "Humor in Early Soviet Literature Komicheskoe v rannei sovetskoi literature (in Russian)." 776 General Services Building.

Committee for the Improvement of Teaching and Learning

5 November, 2:30 p.m. R. Nielsen and R.A. Pendergast, "Coffee with Rutherford Award Recipients." 2-55 Assiniboia Hall.
6 November, 10 a.m. W. Hague, "Motivation in Teaching and Learning." W-2 Tory Building.
13 November, 2 p.m. Karl Puffer, "Development of Course Outlines." W-2 Tory Building.
14 November, 8:30 a.m. Michael Szabo, "Computer-Managed Instruction at the University of Alberta." 221 General Services Building.
16 November, 9 a.m. Rosemary Liburd, "Assertiveness and You." 225 Athabasca Hall.

Pharmacy and Pharmaceutical Sciences

5 November, 3:30 p.m. Sheila G. McKenzie, Manager, Professional Services, Hoffman-LaRoche, Etobicoke, Ontario, "The Retinoids: A Major Breakthrough in Dermatology and Oncology." 4069 Dentistry-Pharmacy Centre.

Forestry

6 November, noon. Ed Telfer, Canadian Wildlife Service, "Problems Facing Wildlife Habitat on Canadian Forest Lands." 4-1 Mechanical Engineering Building.
13 November, noon. Robert Swanson, Canadian Forestry Service, "Managing Alberta's Eastern Slope Forests for Water Yield—Results of Marmot and Streeter Experiments." 4-1 Mechanical Engineering Building.

Classics

6 November, 4 p.m. Sarah B. Pomeroy, Hunter College, City University of New York, "Xenophon, *Oeconomicus* 1-10." (Lecturer, Classical Association of Canada Western tour.) 1-8 Humanities Centre.
7 November, 11 a.m. Professor Pomeroy, "Family and Feminism in Xenophon's *Oeconomicus*." L-1 Humanities Centre.

Catholic Campus Ministry

6 November, 7:30 p.m. Understanding Catholicism—Fr. David Louch, "Sacraments of Initiation." 102 St. Joseph's College.
13 November, 7:30 p.m. Loretta Foley, "Conversion and Reconciliation." 102 St. Joseph's College.

Limnology and Fisheries Discussion Group

7 November, noon. Bill Leggett, McGill University, "Fish Ecology." G-217 Biological Sciences Building.
14 November, noon. Annette Trimbee, "Blue-Green Algae. Why Are There so Many in Alberta Lakes?" G-217 Biological Sciences Building.

Soil Science

7 November, 12:30 p.m. Ian Campbell, "Sediment Source Areas." 281 CAB.
14 November, 12:30 p.m. Bill McGregor,

Senior Research Representative, ELANCO, "Research in Industry." 281 CAB.

Chemical Engineering

7 November, 3 p.m. Charles Tsang, Research Engineer, Nova/Husky Research Corporation Ltd., "Hydrocracking of Heavy Oil." E-342 Chemical-Mineral Engineering Building.

English

7 November, 4 p.m. William Golding, "Reading From His Recent Work." L-1 Humanities Centre.
8 November, 2 p.m. Charles Montieith, Past-Chairman of Faber and Faber, "An Informal Talk on Modern British Publishing History." 6-40 Humanities Centre.

Economics

14 November, 3:30 p.m. Roger Bowden, Universities of Western Australia and British Columbia, "Reflexive Forecasting of One-Off Events." 8-22 Tory Building.

Entomology

14 November, 4 p.m. G.G.E. Scudder, Department of Zoology, University of British Columbia, "Morphological and Physiological Adaptations in the Milkweed Bug (*Oncopeltus*)." TBW1 Tory Breezeway.

Music

14 November, 3:30 p.m. George Arasimowicz, "Electronic Music in Canada." 1-29 Fine Arts Building.

Canadian Institute of Ukrainian Studies

15 November, 7:30 p.m. John Lehr, Department of Geography, University of Winnipeg, "The Creation and Evolution of the Ukrainian Landscape in Western Canada." Heritage Lounge, Athabasca Hall.

Films

Germanic Languages

6 November, 7:30 p.m. "Dr. med. Mathilde Wagner." Arts 17.
13 November, 7:30 p.m. "Stationschef Fallermayer." Arts 17.

The Arts

Théâtre Français d'Edmonton

Until 3 November. "Bonne Fete Maman." Faculté Saint-Jean. 469-0829.

Bear Claw Gallery

Until 8 November. "2 Man Show—Clay and Paint"—exhibits by Noboru Kubo and Rafe McNabb.

Studio Theatre

Until 16 November. "Translations" and "Ashes." 432-2495.

Ring House Gallery

Until 29 November. "Painting the Town"—an exhibition of mural painting in Britain. Galleria, Rutherford Library.

Special Collections

Until 13 December, 8:30 a.m. to 4:30 p.m., Monday to Friday. "D.H. Lawrence: A Centenary Celebration." B7 Rutherford South.

Music

All events take place in Convocation Hall.

1 and 2 November, 8 p.m. Opera Workshop.
3 November, 8 p.m. "Encounters"—featuring works by Hugo Wolf, George Crumb and Franz Schubert.
8 November, 8 p.m. Nicholas Arthur Kilburn Memorial Concert—Elly Ameling, soprano. Tickets must be picked up in advance at the Department of Music.
12 November, 8 p.m. Visiting Artists Series—Purcell String Quartet. Selected works by Haydn, Wallace Berry and Debussy.
17 November, 3 p.m. The University of Alberta Concert Band—Ernest Dalwood, conductor. Tickets: \$4 (adults); \$2 (students/senior citizens).
17 November, 8 p.m. "New Music at the University of Alberta." Works by faculty composers.
19 November, 8 p.m. The University of Alberta Symphonic Wind Ensemble—Fordyce Pier, director; the Edmonton Wind Sinfonia—Dennis Prime, director; and the Cosmopolitan Winds—Harry Pinchin, director. Tickets: \$4 (adults); \$2 (students/senior citizens).

Edmonton Weavers' Guild

2 November, 11 a.m. to 4 p.m. Annual Sale and Exhibition. Lister Hall. Karin (471-2488) or Barbara (452-3387).

Edmonton Film Society

4 November, 8 p.m. "Death Takes a Holiday" (1934).
12 November, 8 p.m. "Breakfast at Tiffany's" (1961).

Broadcasts

Radio

Programs broadcast on CKUA radio 580 AM and 94.9 FM.
2 November, 7 p.m. Piano recital—Helmut Brauss.
9 November, 7 p.m. Soprano recital—Elsie and John Armstrong, guitarist.

Sports

1 November, 7:30 p.m. Hockey—Bears vs. University of Lethbridge.
2 November, 7:30 p.m. Hockey—Bears vs. University of Lethbridge.
4 November, 7:30 p.m. Basketball—Bears vs. Lewis-Clarke State.
8 November, 2 p.m. Swimming—Bears and Pandas vs. University of Calgary. West Pool.
9 November, 1 p.m. Football—Bears vs. University of British Columbia.
9 November, 4 p.m. Basketball—Pandas vs. Laurentian University.

Award Opportunities

1986 Research in Huntington's Disease

Donor: The Huntington Society of Canada. Where tenable: Unspecified. Level: Pre-doctoral, Post-doctoral. Field: Pre-clinical Sciences, Clinical Sciences,

Family Care. Value: Pre-doctoral—same value as 1986 MRC studentships. Post-doctoral (PhD or MD)—same as the prevailing rate for fellows with the MD degree offered by MRC. Number: Unspecified. Duration: Unspecified. Conditions: Unspecified. Closing date: 31 December 1985. Further information and application forms should be requested from: Huntington Society of Canada, 13 Water St. N., Suite 3, Box 333, Cambridge, Ontario N1R 5T8. Telephone: (519) 622-1002.

American Concrete Institute Fellowship

Donor: American Concrete Institute. Where tenable: Unspecified. Level: Graduate. Field: Engineering (Concrete). Value: \$2,000. Number: Two. Duration: One year. Conditions: Possess a bachelors degree from an accredited university; accepted for graduate studies at an accredited university; full-time first or second year graduate student during scholarship year; knowledge of English language or French as required in Quebec. Closing date: 15 January 1986. Further information and application forms should be requested from: Education Department, American Concrete Institute, P.O. Box 19150, Detroit, Michigan 48219.

Positions

The University of Alberta is committed to the principle of equal opportunity in employment and encourages applications from all qualified people.

In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Academic

Director, Canadian Institute of Ukrainian Studies

Applications are invited for the position of Director, Canadian Institute of Ukrainian Studies, University of Alberta. Applicants should be recognized and active scholars in Ukrainian studies with a strong interest in Ukrainian Canadian studies (or vice versa); and with demonstrated administrative experience as well as the ability to carry on effective liaison with the Ukrainian community. Preference will be given to applicants with a PhD degree in history or social science discipline. The Director is expected to read, write and speak Ukrainian as well as English; knowledge of French would be an asset.

The appointment is for a limited term of up to five years, starting 1 July 1986 (or as soon as possible thereafter). A tenure-track appointment is possible if the candidate is acceptable to an academic department willing to reserve a vacancy to which he/she could return at the end of the term as Director. Salary: negotiable according to experience (1985-86 salary scale: \$30,316 to \$43,780 for Assistant Professor; \$38,170 to \$55,450 for Associate Professor; and \$48,970- for Full Professor).

Applications and names of at least three references should be sent to: Dr. Baha Abu-Laban, Associate Vice-President (Research), 3-3 University Hall, University of Alberta, Edmonton, Alberta, Canada T6G 2J9. Closing date for applications: 31 January 1986.

Occupational Health and Safety Coordinator

This position reports to the Director of Personnel Services and Staff Relations.

The incumbent will be responsible for general Occupational Health and Safety Administration, Safety Training and the administration and coordination of these functions with Radiation Control, Biosafety, and Fire Protection. The OHS Coordinator ensures consistent application of relevant Occupational Health and Safety regulations and guidelines across campus.

Qualified applicants must be a university graduate in science or related field, supplemented by Occupational Health and Safety courses. A thorough knowledge of Occupational Health and Safety and laboratory practices will be essential. The applicant must possess a proven record of developing Occupational Health and Safety programs, with a minimum of five years directly related experience, with demonstrated supervisory skills, preferably in a public sector setting. The applicant must have the ability to coordinate and communicate effectively, and to foster a positive attitude toward safety in a large complex university.

Appointment salary is from \$30,510 per annum, enhanced with a comprehensive benefits program, including access to athletic facilities and four weeks vacation entitlement.

Closing date for applications is 15 November 1985.

Applicants may apply to: Employment Coordinator, Personnel Services and Staff Relations, 2-40 Assiniboia Hall, University of Alberta, Edmonton, Alberta T6G 2E7.

President, Capilano College

The Board of Capilano College is seeking a College President (Chief Executive Officer) who has considerable supervisory and administrative experience, normally at the post-secondary level, and who will be capable of exercising strong educational leadership.

Capilano College is a publicly funded community college offering a comprehensive curriculum of university transfer, career, vocational, college preparatory, and extension programs and services to a student enrolment of over 4,000. The College serves the North Vancouver, West Vancouver, Howe Sound and Sunshine Coast regions.

Applications and/or nominations are invited prior to 5 November 1985 and will be considered in confidence.

Submissions to: Chairman, President's Search Committee, Capilano College, 2055 Purcell Way, North Vancouver, B.C. V7J 3H5.

Non-Academic

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. These vacancies cannot be guaranteed beyond 25 October 1985.

Clerk Steno III (Term), Dean of Education, (\$1,326-\$1,666)

Clerk Steno III, Extension—Special Sessions, (\$1,326-\$1,666)

Clerk Steno III, Office of the Comptroller, (\$1,326-\$1,666)

Medical Stenographer (Trust), Medicine, (\$1,478-\$1,888)

Administrative Clerk, Office of Research Services, (\$1,478-\$1,888)

Technologist II (Trust), (Part-time), Family Studies—Home Economics, (\$1,026-\$1,330)

Technologist I (Trust),

Medicine—Cardiology, (\$1,888-\$2,437)
Administrative Assistant I, Housing and Food Services, (\$1,888-\$2,437)

Technologist IV (Meteorology), Geography, (\$2,548-\$3,302)

Advertisements

Accommodations available

Rent - 10839 University Avenue. Well furnished, one-bedroom suite. \$450. 433-6024.

Rent - Condominium. One-bedroom, five appliances, fireplace, indoor parking. Downtown, near University. Peter Smith, 432-2643, 437-4937.

Rent - Furnished, three-bedroom house. Mile to campus (Parkallen). \$600. Xmas-July. 437-4130, 432-5240.

Rent - Main floor of well-kept house. Two bedrooms, study. Furnished. Seven minutes University. 1 January-30 April 1986. References. 468-3302.

Sale - Riverbend. Two stories, four bedrooms, extra den plus family room on main floor. Beautiful oak kitchen, appliances, jacuzzi, fireplace, 73' lot, quiet location. Liz Crockford, Spencer's, 436-5250, 434-0555.

Rent - Two-bedroom suite. New, large, near University. \$400/month. 439-0954.

Sale - Elegant, renovated, Highlands residence. Four bedrooms, two bathrooms. Large heated garage. Additional bedroom, bath, living, kitchen in modern "mother-in-law" suite, (rental income possibility). No agents. Messages, 479-5057.

Share - Professional male, out of town during week, has luxury, two-bedroom, two-bath apartment. City view, Saskatchewan Drive, to share with responsible female, professional or grad. student. 433-2190.

Sale - Grandview. For large lot lovers. Also an immaculate, four-bedroom, spacious home. Two fireplaces, double attached garage. Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - Windsor Park. Quiet street. Huge lot. Three-bedroom bungalow. Chris Tenove, 433-5664, 436-5350. Spencer's.
Sale - City residential lots. Some ravine. \$49,000 up. Low taxes. Buy now. Chris Tenove, 433-5664, 436-5250. Spencer's.
Sale - McKernan. Campus three blocks. Three adjacent homes. \$49,700 up. Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - Belgravia. Cozy home with large family kitchen. Super quiet location. Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - Riverfront. South bank, Saskatchewan River. Upgraded, older home. Chris Tenove, 433-5664, 436-5250. Spencer's.

Accommodations wanted

Professor, wife and toddler, returning from leave, seek rental home about 20 December 1985 through May 1986, (612) 646-3358. Sobsey, 1198 Fifield, St. Paul, Minnesota 55108 U.S.A.

Goods for sale

Cash paid for used appliances. 432-0272.
New Royal typewriters \$115-\$730, some with computer interface and rent-to-own plan. Used typewriters when available. Mark 9, HUB Mall. 432-7936.

Fine, English speakers. Tangent RS6, 3-way system, with stands. \$675. 482-1155 evenings.

Books bought and sold - The Edmonton Book Store in HUB Mall will pay cash for book collections and individual, rare items. Appraisals available. Open seven days a week. 433-1781.

Services

Donnic Word Processing. Specializing in theses, manuscripts, etc. 8315A 105 St. 432-1419.

Backaches? Stress tension? Special therapy at Back-Basics (supplementary health care reimburses treatment costs). Maria Krieg is a spine specialist, university-trained in Düsseldorf. 11610 75 Avenue. 436-8059.

Quaker worship, Sundays, 11 a.m. Sorooptimist Room, YWCA. 100 Ave. 103 St.

Will do all kinds of renovations, small and large. Phone 434-9709 evenings.

Word processing, photocopying, typing course, theses and résumés. Speed and quality. Mark 9, HUB Mall, 432-7936.

JL Citation Services. Computerized literature searching - all fields. Full searches & automatic updating. Search strategies carefully formulated.

Satisfaction guaranteed. 487-8652.
Voice lessons, Alexander Tumanov. 481-3710.

Professional typist - Word processing. Specializing in theses and dissertations. Gwen, 467-9064.

Spectra Office Maneuvers (word processing), 24-hour service. 421-4869.

Thai language classes for beginners. Trained instructor. 486-1126 evenings.

Professional typing. We do "rush stuff." 461-1698.

Competent house cleaning service, licenced, insured. For information, 424-8490.

Professional seamstress and tailors. Made to order garments. General alterations. 469-6292, consultant Phil.

Experienced architect. Will do renovation/new home designs. Call 973-3198 (local).

Stress Relief for VDT Users free seminar for U. of A. staff

Due to growing concern by users of VDTs, a special course has been designed to address the subject of user-related stress.

Attend if: you spend 30% or more of your time using a computer terminal, PC, word processor or

you supervise someone who uses a VDT more than 30% of their time

Learn Techniques for:

- Relief of eye strain and visual fatigue
- Relief of back strain and postural fatigue

Learn How to:

- Design a proper work station for comfort and productivity
- increase alertness and productivity through stress relief and exercise

The Instructor: an Occupational Health Nurse / Consultant has been specially contracted for these seminars.

Time & Place: Take advantage of one of the 90 minute seminars to be held in Room 365 CAB (Central Academic Building):

| | Morning | or | Afternoon |
|---------|--------------|----|-------------|
| Nov. 6 | 9:30 - 11:00 | | 1:30 - 3:00 |
| Nov. 8 | 9:30 - 11:00 | | 1:30 - 3:00 |
| Nov. 13 | 9:30 - 11:00 | | 1:30 - 3:00 |
| Nov. 15 | 9:30 - 11:00 | | 1:30 - 3:00 |
| Dec. 2 | 9:30 - 11:00 | | 1:30 - 3:00 |
| Dec. 4 | 9:30 - 11:00 | | 1:30 - 3:00 |
| Dec. 6 | 9:30 - 11:00 | | 1:30 - 3:00 |
| Dec. 9 | 9:30 - 11:00 | | 1:30 - 3:00 |
| Dec. 11 | 9:30 - 11:00 | | 1:30 - 3:00 |
| Dec. 13 | 9:30 - 11:00 | | 1:30 - 3:00 |
| Dec. 16 | 9:30 - 11:00 | | 1:30 - 3:00 |
| Dec. 18 | 9:30 - 11:00 | | 1:30 - 3:00 |

To Enroll: call 5201 — Free to U. of A. staff

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1. MR.
2. MRS.
3. MISS

Designate: ☐ Academic ☐ Non-Academic

I hereby authorize the Payroll Division, Office of the Comptroller, to deduct from my monthly salary the amount indicated below to be forwarded to the United Way of Edmonton. It is my understanding that deductions may be cancelled upon written request. Deductions for the current campaign will cease Sept. 30th next.

Select and complete one section by indicating with an X:

☐

1. Continuing Donation

Deduct \$ monthly commencing with my salary cheque
for the balance of the current campaign. (indicate month)

☐

2. One Time Deduction

Deduct \$ from my salary cheque.
(indicate month)

☐

3. Other

☐

4. I enclose my cheque in amount of \$ for my contribution.
(Please make cheque payable to United Way of Edmonton)

DO NOT SEND CASH BY MAIL

Date Signature

Authorizations must be forwarded to reach the Payroll Office prior to the 15th of the month to be effective that month.

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